

## **ABSTRACT**

1        A data processing method with a state-restoring function in which a  
2        data-processing device is in an initial state before supplying of a main power source;  
3        the device activates BIOS when the power source supplies, and discriminates whether  
4        a store device is stored therein environmental parameters before power interruption, if  
5        no, the operating system is activated to enter an operating mode. When the power  
6        source is interrupted, the data-processing device uses a spare power source to execute  
7        a waiting procedure, if now the main power source is resumed, the data-processing  
8        device immediately restores the operating mode. If the main power source has not yet  
9        been resumed at the end of the waiting procedure, the data-processing device stores  
10       the environmental parameters in the store device and reboots. Then the  
11       data-processing device continuously discriminates whether supplying of the main  
12       power source has been resumed until the restoration. If the main power source is  
13       resumed, the data-processing device automatically enters the booting process, and  
14       restores the state before interruption using the environmental parameters to update the  
15       operation environment of the data-processing device.